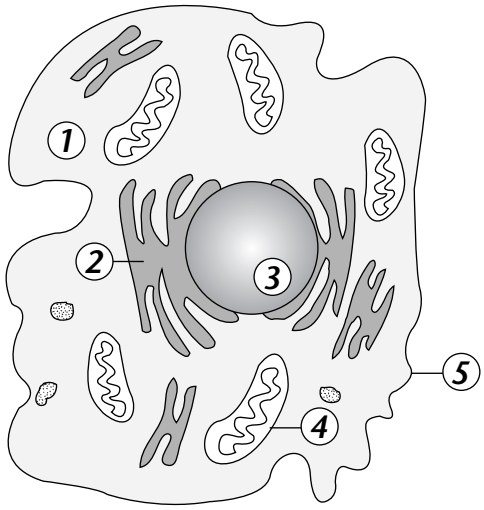
Name _____ Date _____ Class _____

Looking Inside Cells

Understanding Main Ideas

Identify each of the cell structures in the figure.

Simplified Animal Cell



1. _____
2. _____
3. _____
4. _____
5. _____

Building Vocabulary

Fill in the blank to complete each statement.

6. _____ are tiny cell structures that carry out specific functions within the cell.
7. The rigid layer of nonliving material that surrounds the cells of plants and other organisms is called the _____.
8. In cells without cell walls, the _____ forms the outside boundary that separates the cell from its environment.
9. The _____ is a large, oval structure that directs all of the cell's activities.
10. The region between the cell membrane and the nucleus is called the _____.
11. _____ produce most of the energy the cell needs to carry out its functions.
12. A maze of passageways called the _____ carries proteins and other materials from one part of the cell to another.
13. _____ function as factories to produce proteins.
14. _____ receive proteins and other newly formed materials and distribute them to other parts of the cell.
15. Organelles called _____ capture energy from sunlight and use it to produce food for the cell.
16. The storage area of a cell is called a(n) _____.
17. _____ are small, round structures in cells that break down large food particles into smaller ones.

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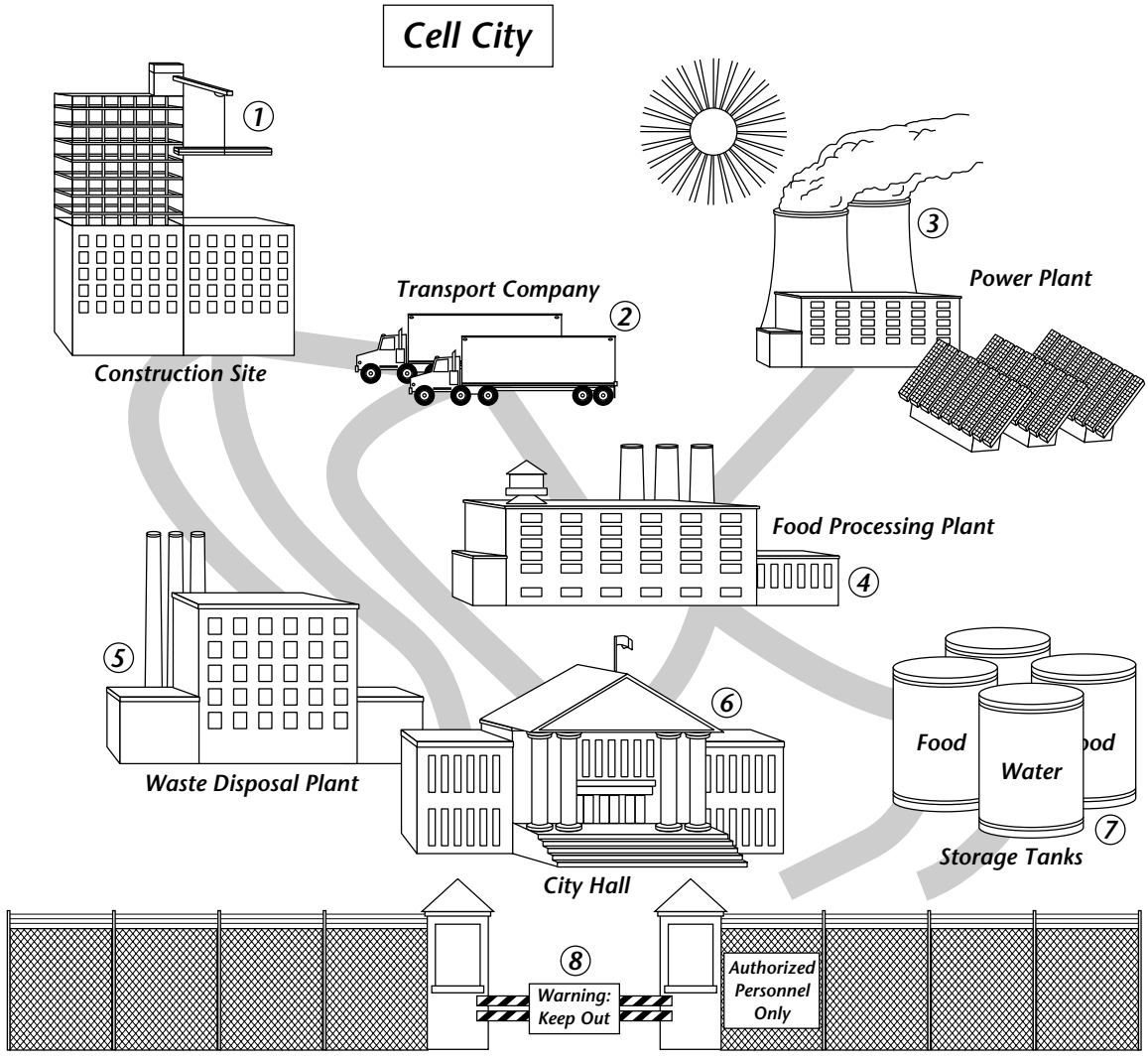
Cell Structure and Function ▪ *Enrich*

Modeling Cell Structures

The figure below shows a city that is a model for a cell. Study the figure, and use it to respond to the items that follow.



Answer the following questions on a separate sheet of paper.

1. State the function performed by each numbered structure in the figure.
2. Now name a cell structure that performs each of these same functions.
3. Does "Cell City" represent a plant cell or an animal cell? Explain your answer.